MEMO

User Manual

TWO-WAY RADIO

Model name:KG-UV8D

Brand name:WOUXUN

FCC ID:WVTWOUXUN10

Thanks for buying the WOUXUN receiver.

This receiver offers latest desi ng enhanced features, solid performances and easy accessibility. We believe you will be pleased with the high quality and reliable features for all your communication needs.

READ THIS IMPORTANT INFORMATION ON THE SAFE AND EFFICIENT OPERATION BEFORE USING WOUXUN

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help

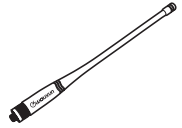
Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Unpacking and Checking the Equipment

Carefully unpack the receiver. We recommend that you identify the items in the following table before discarding the packing material. If any item is missed or has been damaged during shipment, please notify your wouxun dealer.

Supplied Accessories

receiver


High gain antenna

Li-ion batterypack

Intelligent charger

Beltclip

Handstrap

User's manual

Warranty card

Installing before use

■ ***Install / remove batterypack***

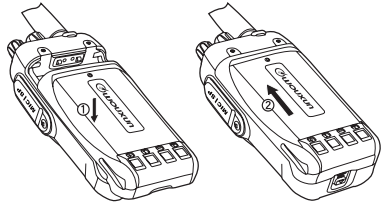
The batterypack is not fully charged before leaving factory. Please charge it before use.

NOTE ⚠

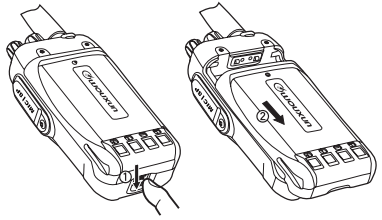
» Do not shortcircuit the terminals or put the batterypack into fire.
» Do not try to remove the case from the batterypack.

1. Please aim the batterypack at the back of the receiver, and then push up and press down the batterypack to lock the release latch. (PIC1)

2. If you want to remove the batterypack, push down the release latch, and the batterypack will be released from the receiver. (PIC2)



PIC1



PIC2

Getting Started

Description of Features

1. Duplex Repeater (VHF to UHF or UHF to VHF)
2. Duplex Work Mode
3. Dual Receiving
4. Large Colorful Screen
5. Frequency Range
   144-148&420-520MHz
6. Dual Display
   Dual Band Display on Large Screen, Two Independent Operation System
7. UHF/VHF or VHF/UHF Cross-Band Repeater
8. 999 Memory Channels
9. QT/DQT Encoding/Decoding, QT/DQT Scan
10. VOX
11. Multi Definition for Sidekeys
12. Incoming Message Display
13. Caller ID display

14. DTMF Encoding&Decoding
15. All Calls, Group Calls And Selective Calls
16. SOS Function
17. Priority Scan Function
18. Remote Alarm
19. Voice Guide:Chinese/English
20. Chinese/English Screen Display
21. Bright Flashlight Illumination
22. Reverse Frequency
23. Stopwatch

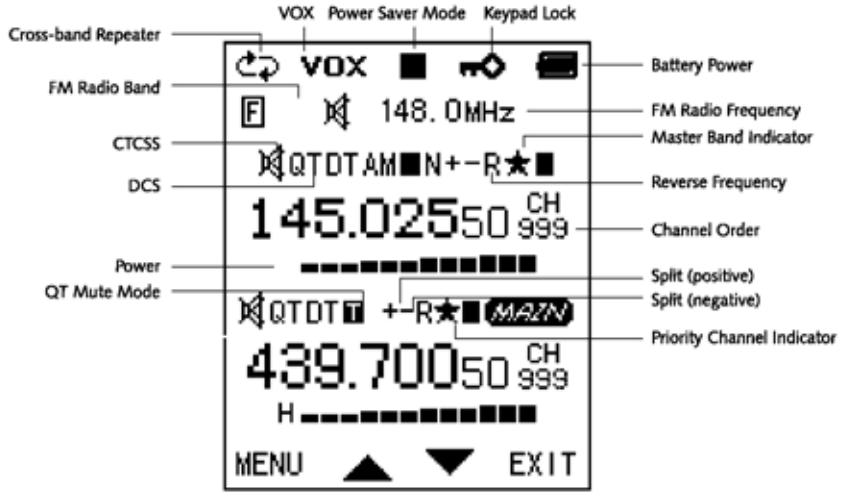
Specifications

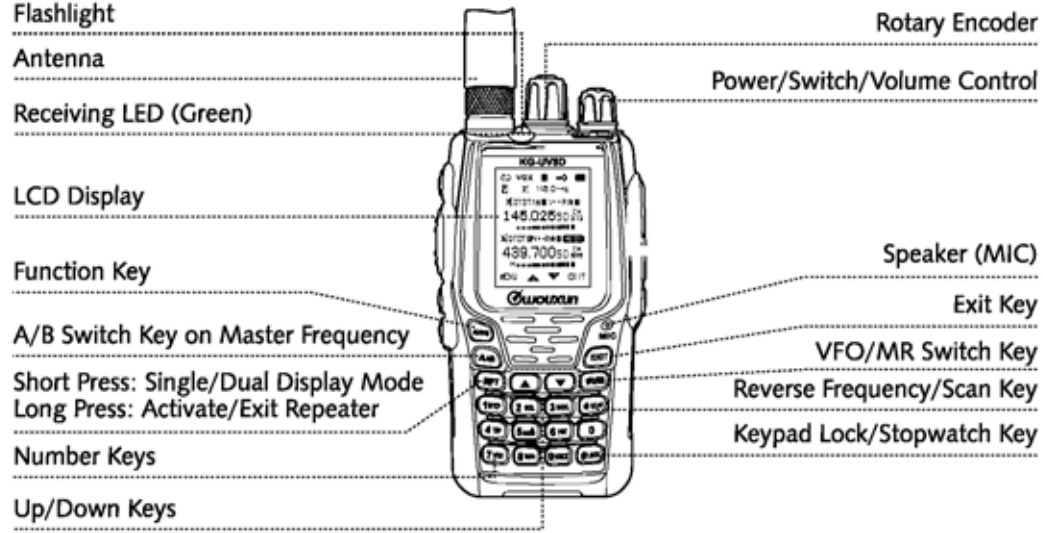
Intergration		Receiving	bandwidth
Frequency Range	144-148MHz & 420-450MHz	Adjacent Channel Selectivity	≤60dB
		Inter Modulation	≤60dB
		Spurious Response	≤70dB
		Audio Response	+1~-3dB(0.3 ~2.55KHz)
Step	5KHz / 6.25KHz / 10KHz / 12.5KHz	Signal to Noise Ratio	≥40dB
		Audio Distortion	≤5%
Channel Number	999	Sensitivity	UHF/VHF:0.25μV(12dB SINAD)
Work Mode	F2D / F3E		
Operating Temperature	-20℃ or 40℃		
Antenna Resistance	50Ω		
Voltage	7.4VDC		
Weight	490g		
Size	124.5x 61.49 x 33.88 (mm)		

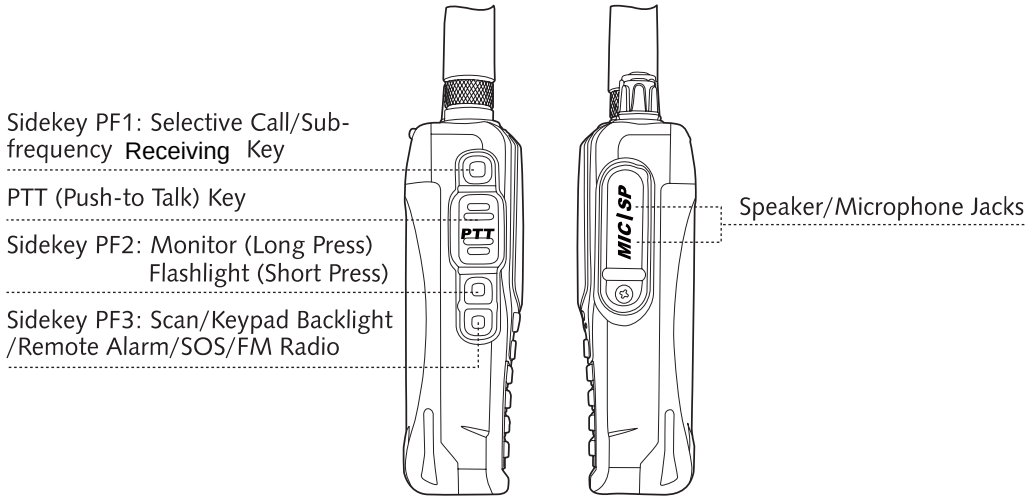
Description

LCD Display

There are various indicators display on the screen when powering on. Please refer the below table to learn what the indicators stand for accordingly.







Multi Work Modes

a. Normal receiver's communication mode

b. Directional cross-band repeater mode or two way cross-band repeater mode

Note: Work modes can be switched via RPT key.

1. There are A and B areas on the LCD screen to display two bands' status. The master band is with a sign "MAIN" on the top right.This is an important sign, since all the below operation instruction are for the master band. The band without this sign is called "Sub-band".

2. Please set the band that you want to program any specifications into as the master band firstly.

3. Some functions are not allowed to be used under directional cross-band repeater or two way cross-band repeater mode.

Basic operation

- ***Quick Search***

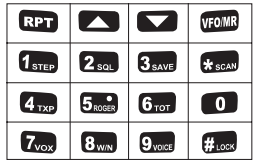
  Short press ▲ or ▼ key to search the desired function/parameter during your setting, while long press to quick search.

- ***DTMF encoding***

  This receiver has DTMF encoding. By pressing the right number key on transmitting you can choose

Description of Functions

the right DTMF tone which you want to TX. Number key and corresponding DTMF encoding are as belows:



A	B	C	D
1	2	3	*
4	5	6	0
7	8	9	#

Setting Reverse Frequency Function

When the reverse frequency function is activiated, the receiving frequencies can be exchanged. And the CTCSS/DCS encoding and decoding can also be exchanged.

How to operate reverse frequency function:

In standby mode, long press * SCAN to turn on the reverse frequency function; long press * SCAN again to turn off.

Working Mode Switch

Two work modes:VFO(Frequency) mode and MR(Channel) mode. Three different display manners for MR mode.

A. Channel NO. B. Frequency+Channel NO. C. Channel Name

VFO/MR(Frequency/Channel switch) switch is indicated as following:

VFO → MR(Channel NO.) → MR(Frequency+Channel NO.) → MR(Channel Name) → VFO

When you set password for switching work mode, press MENU ,LCD screen display [———], please input the correct password and press MENU . If inputting the wrong password, the work mode switch can not be workable.

When the password is made up of full "ZERO", the work mode switch does not require password.

Wire Clone Function

Using wireclone	1.Installing the battery for source receiver and target receiver . 2.Powering on target receiver . 3.Press PF3 of source receiver . , and power on at the same time. 4.Red LED of the source radio flashes, the cloning activates	LED is flashing red during cloning. LED goes out in case of successful cloning. LED glows continuous red in case of cloning failure.
	Target receiver .	Green indicator is flashing during cloning. Indicator is off when completing cloning.

Description of Functions

How to use the intelligent charger

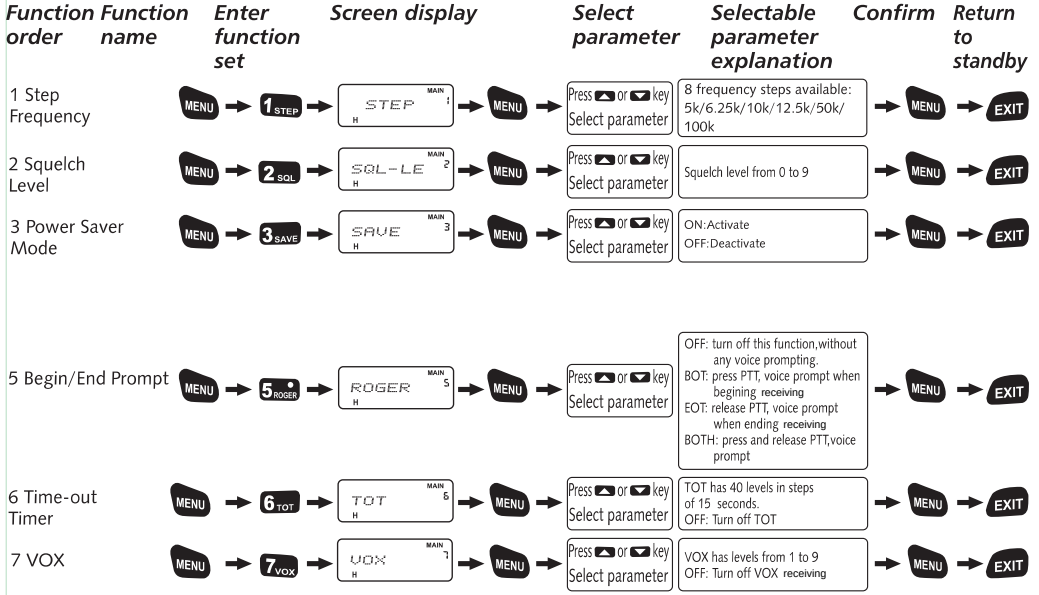
When the battery power is low, the receiver will activate voice guide, and prompt "Di" in every 5 seconds.

1. Insert the AC plug into outlet (AC:90-240V), the charger indicator flashes once. That means the charging is in standby.
2. Insert the battery into the charger, the RED indicator continuously flashes. That means the charging is on the progress.
   While the GREEN indicator continuously flashes. That means the charging is complete.

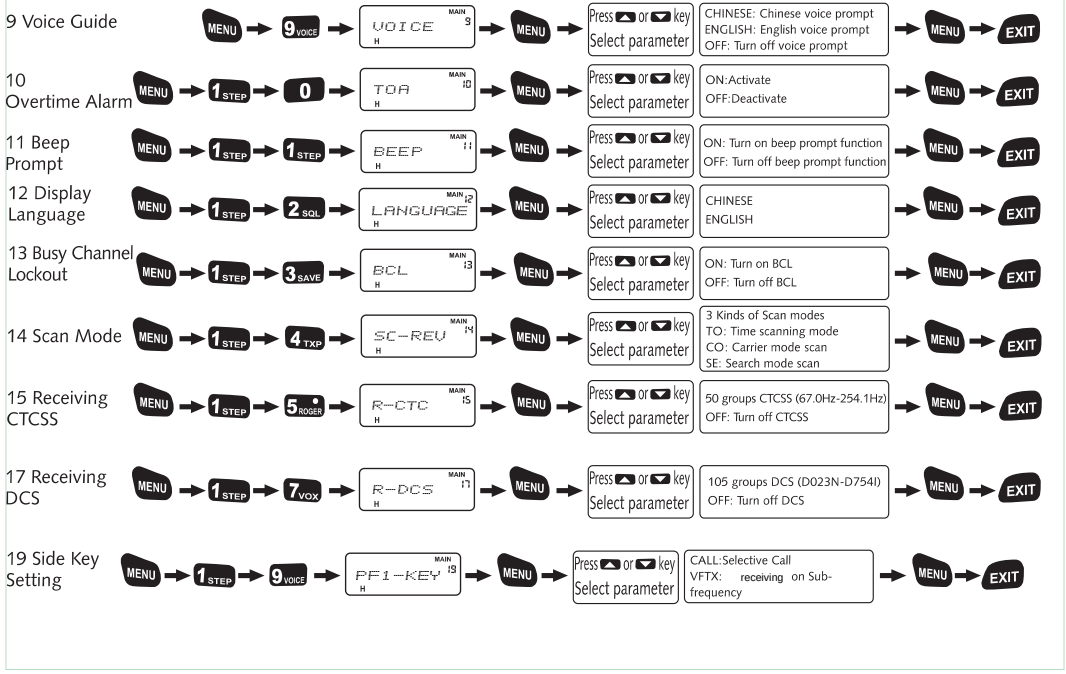
NOTE ⚠

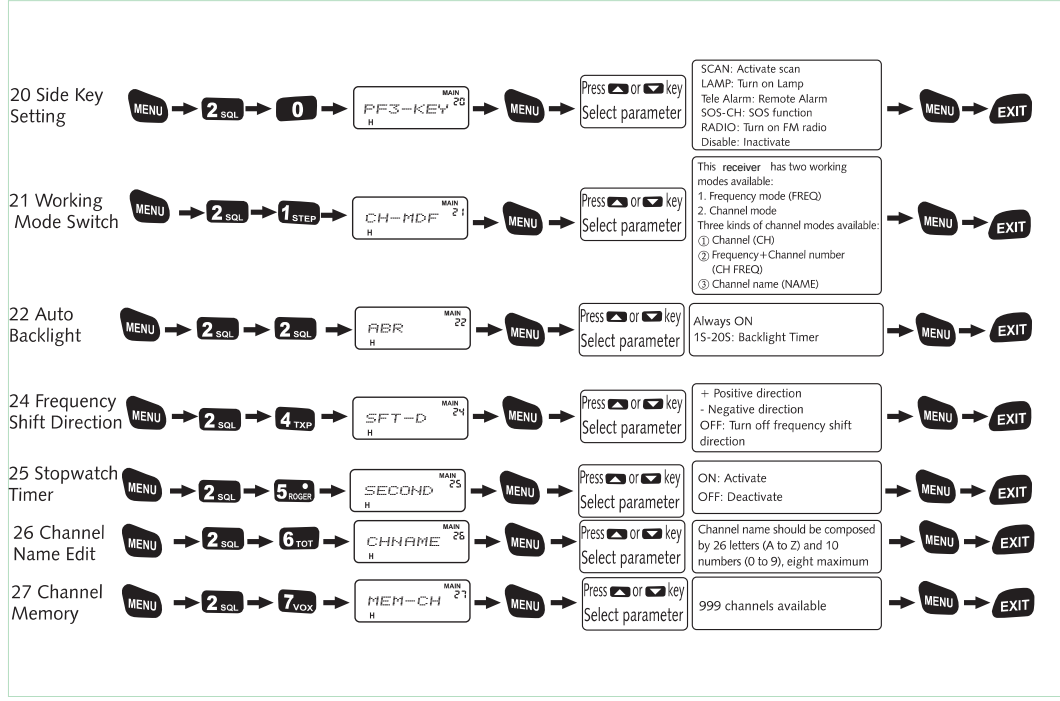
- » When inserting the exhausted battery into the charger, it will pre-charge the battery in trickling mode, the RED light of charger flashes and lasts 10-20 minutes, then start normal charger with RED light keeping on, it will turn to GREEN when it is fully charged.
- » Trickling charge the exhausted battery is to protect the lithium-ion battery.

Shortcut Operation Sheet

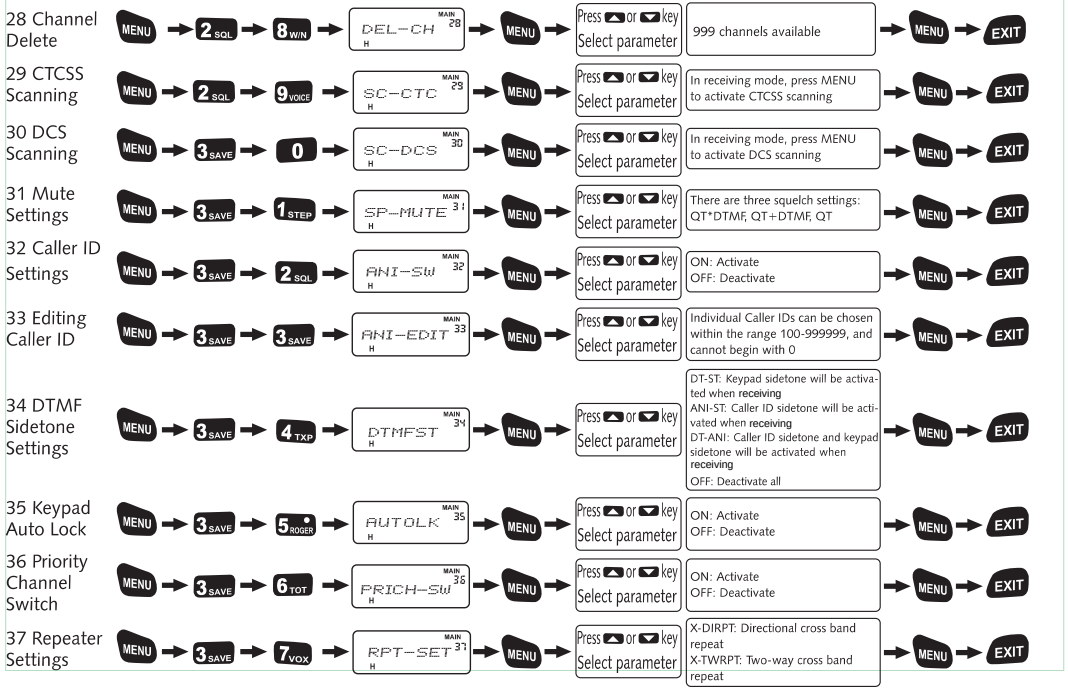


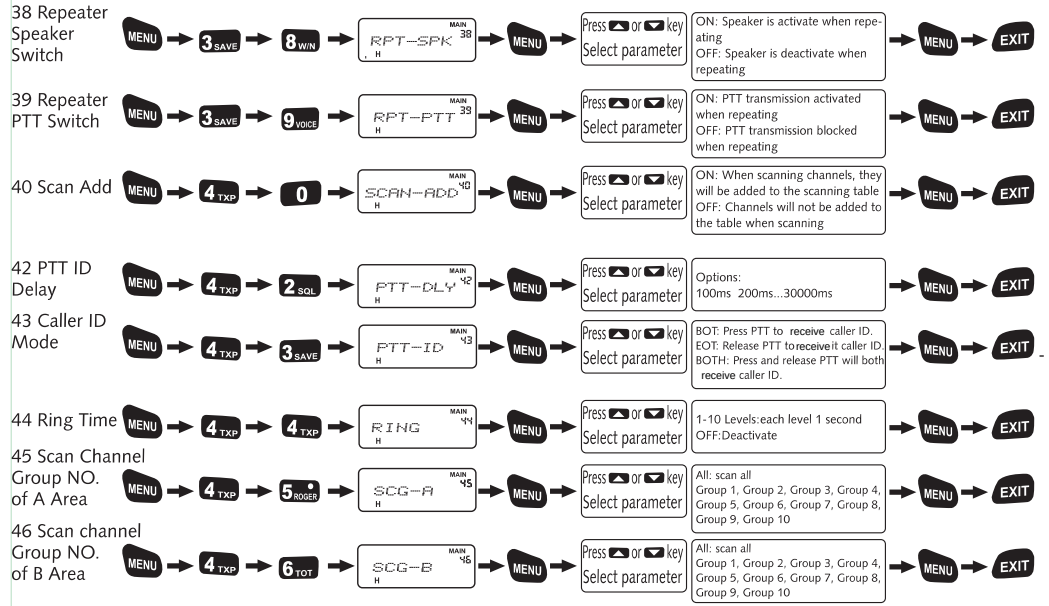
Shortcut Operation Sheet

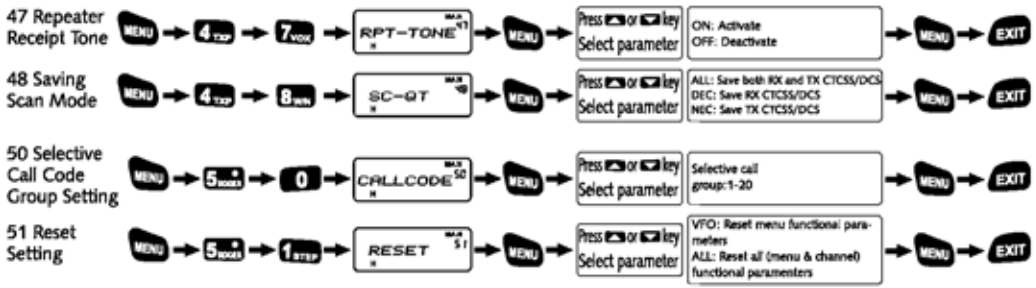




Shortcut Operation Sheet







How to Operate

Step Frequency (STEP) ----- MENU 1

In standby, press MENU + 1 STEP , the screen displays STEP

Press MENU to enter, press ▲ / ▼ to select the desired step, then press MENU to confirm, finally press EXIT to return to standby.

The frequency steps selectable for this receiver are as follows:

5.00KHz, 6.25KHz, 10.00KHz, 12.50KHz

Squelch Level (SQL-LE) ----- MENU 2

Squelch level is about when the signal is strong enough to turn on the squelch function, and when it is weak enough to turn off. You may hear the voice from the loudspeaker when turning ON the squelch and receiving the same signal from other transceivers. Higher level makes it harder to receive the weak signals, while lower level will be interfered by noises and/or unwanted signals.

In standby, press MENU + 2 SQL , the screen displays SQL-LE

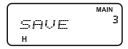
Press MENU to enter, press ▲ / ▼ to select the desired squelch level, then press MENU to confirm, finally press EXIT to return to standby.

NOTE

» The squelch level for this receiver has 0-9 levels selectable, and level 0 means turn off the squelch function. The higher level of the squelch is set, the stronger receiving signal is needed.

Power Saver Mode (SAVE) --- MENU 3

When the power saver function is ON, the receiver circuit will be cut off for a moment, and then re-activate to detect the signals for a while, in order to reduce the battery capacity consumption.

In standby, press MENU + 3 SAVE , the screen displays 

Press MENU to enter, it shows 'ON', press ▲ / ▼ to select turn ON/OFF the power saver funtion.

Press MENU to confirm, and then press EXIT to return to standby.

Prompt settings (ROGER) --- Menu 5

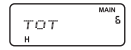
When the receiver is standby,press the MENU + 5 ROGER keys and the screen will display:

Press the key to access the menu, and after pressing the ▲ / ▼ keys to choose the required prompt mode, press the MENU key to to confirm, or the EXIT key to retum to standby.

The receiver features 4 kinds of prompt: BOT , EOT, BOTH and OFF .

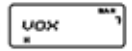
Time-out Timer (TOT) --- MENU 6

This receiver can be set in 60 levels with 15 seconds each, between 15 and 900 seconds.

In standby, press MENU + 6 TOT , the screen displays 

Press MENU to enter, press ▲ / ▼ to select the desired timer level, then press MENU to confirm, finally press EXIT to return to standby.

VOX (VOX) --- MENU 7

In standby, press MENU + 7 VOX , the screen displays 

Press MENU to enter, press ▲ / ▼ to select VOX level(1-9), then press MENU to confirm, finally press EXIT to return to standby.

NOTE

» The higher level of VOX is set, the higher volume is needed.
» In SCAN and FM radio modes, the VOX function is not available.

Voice Guide (VOICE) --- MENU 9

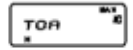
In standby, press MENU + 9 WX , the screen displays

Press MENU to enter, press ▲ / ▼ to select ON or OFF , and then press MENU key to confirm, finally press EXIT to return to standby.

NOTE

» Turn off MENU 9 and MENU 11 at the same time to turn off all the voice prompt if required.

Overtime Alarm (TOA) --- MENU 10

In standby, press MENU + 1 STEP 0 , the screen displays 

Press the MENU key to access the menu, and after pressing the ▲ / ▼ keys to select the required time, press the MENU key to confirm, and the EXIT key to return to standby.

TOA has a maximum length of 10seconds, each level corresponding to 1second. OFF: Deactivate TOA.

Beep Prompt Function (BEEP) --- MENU 11

In standby, press MENU + 1 STEP 1 STEP , the screen displays

Press MENU to enter, press ▲ / ▼ to turn ON/OFF the beep prompt function, then press MENU to confirm, finally press EXIT to return to standby.

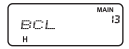
Display Language (LANGUAGE) --- MENU 12

In standby, press MENU + 1 STEP 2 SQL , the screen display

Press MENU to access the function, press ▲ / ▼ to select the desired language, and then press MENU to confirm, press EXIT to return to standby mode.

Two Options:CHINESE and ENGLISH

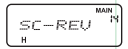
Busy Channel Lockout (BCL) --- MENU 13

In frequency mode, press MENU + 1 STEP 3 SAVE , the screen displays 

Press MENU to enter, press ▲ / ▼ to select ON/OFF this function, then press MENU to confirm, finally press EXIT to return to standby.

Note:This function is invalid in cross band repeater or repeater/ receiver modes.

Scan Mode Settings (SC-REV) --- Menu 14

When the receiver is standby, press the MENU + 1 STEP 4 TXP , keys and the screen will display 

Press the MENU key to access the menu, and after pressing the ▲ / ▼ keys to select the required set-

ting, press the MENU key to confirm, and the EXIT key to retum to standby

The receiver has 3 scan modes:TO,CO,and SE:

TO: after finding a carrier wave signal, scanning will continue if no operations are carrier out within 5 seconds.

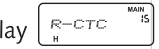
CO: scanning will stop when a carrier wave signal has been found,and scanning will continue if the carrier wave signal is lost for 3 seconds.

SE: scanning will stop when a carrier wave signal is found.

NOTE ⚠

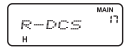
» Hold on * SCAN for 2 seconds to access the scan mode.

Receiving CTCSS settings (RX-CTC) --- Menu 15

When the receiver in standby. press the MENU + 1 STEP 5 ROGER keys and the screen will display 

Press the MENU key to access the menu,and after pressing the ▲ / ▼ key to select the CTCSS you desire, press the EXIT key to retum to standby.

Receiving DCS settings (RX-DCS) --- Menu 17

When the receiver is standby, press the MENU + 1 STEP 7 VOX keys and the screen will display 

Press the MENU key to access the menu, and after pressing the ▲ / ▼ key to select the DCS you desire, press the MENU key to confirm, and press the EXIT key to retum to standby.

DCS: 105 groups of positive code, 105 groups of negative code, ranging from D023N to D754I.

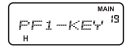
OFF: Deactivate.

CTCSS									
1	67.0	11	94.8	21	131.8	31	171.3	41	203.5
2	69.3	12	97.4	22	136.5	32	173.8	42	206.5
3	71.9	13	100.0	23	141.3	33	177.3	43	210.7
4	74.4	14	103.5	24	146.2	34	179.9	44	218.1
5	77.0	15	107.2	25	151.4	35	183.5	45	225.7
6	79.7	16	110.9	26	156.7	36	186.2	46	229.1
7	82.5	17	114.8	27	159.8	37	189.9	47	233.6
8	85.4	18	118.8	28	162.2	38	192.8	48	241.8
9	88.5	19	123.0	29	165.5	39	196.6	49	250.3
10	91.5	20	127.3	30	167.9	40	199.5	50	254.1

DCS (positive code)

1	D023N	16	D074N	31	D165N	46	D261N	61	D356N	76	D462N	91	D627N
2	D025N	17	D114N	32	D172N	47	D263N	62	D364N	77	D464N	92	D631N
3	D026N	18	D115N	33	D174N	48	D265N	63	D365N	78	D465N	93	D632N
4	D031N	19	D116N	34	D205N	49	D266N	64	D371N	79	D466N	94	D645N
5	D032N	20	D122N	35	D212N	50	D271N	65	D411N	80	D503N	95	D654N
6	D036N	21	D125N	36	D223N	51	D274N	66	D412N	81	D506N	96	D662N
7	D043N	22	D131N	37	D225N	52	D306N	67	D413N	82	D516N	97	D664N
8	D047N	23	D132N	38	D226N	53	D311N	68	D423N	83	D523N	98	D703N
9	D051N	24	D134N	39	D243N	54	D315N	69	D431N	84	D526N	99	D712N
10	D053N	25	D143N	40	D244N	55	D325N	70	D432N	85	D532N	100	D723N
11	D054N	26	D145N	41	D245N	56	D331N	71	D445N	86	D546N	101	D731N
12	D065N	27	D152N	42	D246N	57	D332N	72	D446N	87	D565N	102	D732N
13	D071N	28	D155N	43	D251N	58	D343N	73	D452N	88	D606N	103	D734N
14	D072N	29	D156N	44	D252N	59	D346N	74	D454N	89	D612N	104	D743N
15	D073N	30	D162N	45	D255N	60	D351N	75	D455N	90	D624N	105	D754N

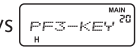
CALL/VFTX on Side Key 1 (PF1-KEY) --- MENU 19

In standby, press MENU + 1STEP 9VOICE kthe screen displays 

Press MENU to access the menu, press ▲ / ▼ to select the mode you desire. And then press MENU to confirm, and press EXIT to return to standby.

Two options: CALL(Selective Calls) and VFTX (receiving on Sub-frequency).

SCAN/LAMP/SOS/TeleAlarm/RADIO/DISABLE on Side Key 3 (PF3-KEY) --- MENU 20

In standby, press MENU + 2 SQL 0 the screen displays 

Press MENU to access the menu, press ▲ / ▼ to select the function you desire. And then press MENU to confirm, press EXIT to return to standby.

Six options: SCAN,LAMP, SOS, TeleAlarm, RADIO and Disable.

Different operations according to different functions:

SCAN: Activate the scan function:

In standby, press PF3 to access scanning mode.(scan mode can be set via MENU 14-Scan Mode Setting), while press any key to stop scanning.

LAMP: Activate lamp function:

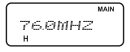
In standby, press PF3 to activate lamp function, while press PF3 again to deactivate.

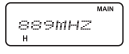
SOS-CH function

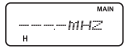
In standby, press PF3, the speaker will prompt alarm after 2 seconds, and the radio will receive alarm tone.

NOTE

» Each alarm lasts 10seconds, and after 5 minutes, the alarm will re-activate. Press any key to exit the function.

TeleAlarm: Activate remote alarm function
In standby, press PF3, the speaker will prompt alarm and receive ANI ID code +numbers "110".
Press PTT key to exit.
RADIO: Activate the FM radio function
A. Activate FM radio:
In standby, press PF3 to activate FM radio. The screen displays 

, press ✱SCAN to access FM radio function to automatically search FM radio. The search will automatically stop when receiving FM radio.
FM radio will be received on the searched frequency.
B. Inputting FM radio Frequency
In FM radio mode, press PF3, the screen display 

, hold on RPT for 2 seconds, the screen displays 

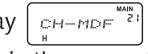
.It is OK to input the FM radio frequency.
C. Exit FM radio
Press PF3 again to exit FM radio function.

NOTE

» When FM radio is active, current frequency or channel is still in standby.

After the signal disappears for 5seconds, the receiver returns to FM radio.
After 5seconds when pressing PTT key to receive the receiver returns to FM radio automaticall .

Working Mode Switch (CH-MDF) --- MENU 21

In standby, press MENU + 2 SQL 1 STEP , the screen display 

Press MENU to enter, press ▲ / ▼, to select mode then press MENU confirm , press EXIT it return to standby.
This receiver has two options for the working mode:
1. Frequency mode(FREQ)
2. Channel mode
There are three channel display selections in channel mode as follows;
① Channel (CH) ② Frequency+ Channel number (CH FREQ) ③ Channel name (NAME)

Auto Backlight (ABR) --- MENU 22

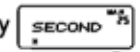
In standby , press MENU + 2 SQL 2 SQL , the screen display

Press MENU to enter, press ▲ / ▼ to select backlight function , then press MENU confirm , press EXIT it return to standby.

Always Activate

1S-20S: Set the lasting time of backlight

Stopwatch Timer (SECOND) --- MENU 25

In standby, press MENU + 2 SQL 5 DTMF , The screen display 

Press MENU to enter, ▲ / ▼ to select ON/OFF , then press MENU confirm, press EXIT to standby.

Using the stopwatch timer:

When this function is ON, press [LOCK] to start counting, while press any key to stop working . Press [LOCK] again to re-start counting.

NOTE

» Press any key (except [LOCK]) when the stopwatch stops working to exit the stopwatch function.

Editing a Channel Name (CH-NAME) --- MENU 26

Channel names can only be edited in channel mode, and only the name of the present channel can be edited this operation is ineffective in frequency mode.

In standby, press [MENU] + [2 SQL] [6 TOT] keys and the screen will display

Press [MENU] to access the menu, and the first digit will flash (which indicates that this digit is being edited).

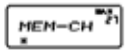
Press [▲] to choose the required character, press [▼] to edit the next character, press [MENU] to confirm, and then press [EXIT] to return to standby.

NOTE

» 1.Channel names can be maximum of 8 characters long.

» 2.When all 8 characters are empty, the channel will be displayed on the screen as "NO-NAME!"

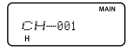
Memorize Channel (MEM-CH) --- MENU 27

In channel mode or standby, press [MENU] + [2 SQL] [7 VOX] , the screen displays 

Press [MENU] to access the menu, press [▲] / [▼] to select the desired channel order, and then press [MENU] to memorize with a voice prompt. Press [EXIT] to return to standby.

When the receiver is in channel(MR) mode, the parameters(except channel name and scan adding) will be memorized into the channel.

How to operate

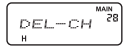
In standby, press MENU + 2 SQL 7 VOX to access channel memory, the screen displays 

, input the desired channel number orderly, and then press MENU to confirm.

NOTE ⚠

» When the selected channel is empty (without any parameter), the characters of the channel number is blue, while the selected channel is with the memorized parameters, the characters of the channel number is dark red.

Deleting a channel (DEL-CH) --- MENU 28

In standby, press MENU + 2 SQL 8 WIN , the screen will display 

Press MENU to access the menu, press ▲ / ▼ to select the channel you wish to delete or manually inputting the channel number, press MENU to confirm and the EXIT key to return to standby.

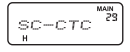
Special Reminder ⚠

» 1st channel can not be deleted.

» When the selected channel is empty (without any parameter), the characters of the channel number is blue, while the selected channel is with the memorized parameters, the characters of the channel number is dark red.

CTCSS scanning (SCN-CTC) --- MENU 29

This function scan all the frequencies/channels which with CTCSS setting, in case to confirm if the receiver receives the CTCSS code. When your CTCSS code is not matching with the other member on your group, you can activate this function to confirm the CTCSS code.

In standby, press MENU + 2 SQL 9 VOICE , the screen displays 

Press MENU to access CTCSS scanning.

Special Reminder ⚠

» When the current frequency or channel is not receiving any carrier wave signal, then it can not activate this CTCSS scanning function.

» If you want to scan the frequencies or channels counterclockwise, then you can press ▲ / ▼ or rotate the channel knob to change the scanning direction.

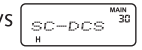
» When scanning CTCSS frequency, it will show on the screen, you can press MENU to save.If the scanned CTCSS is unwanted, then you can press * SCAN to continue scanning, until scans the one you wanted.

DCS scanning (SCN-DCS) --- MENU 30

This function scan all the frequencies/channels which with DCS setting, in case to confirm if the receiv

How to Operate

-er receives the DCS code. When your DCS code is not matching with the other member on your group, you can activate this function to confirm the DCS code.

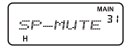
In standby, press MENU + 3 SAVE 0 , the screen displays 

Press MENU to access DCS scanning.

Special Reminder ⚠

- When the current frequency or channel is not receiving any carrier wave signal, then it can not activate this DCS scanning function.
- If you want to scan the frequencies or channels counterclockwise, then you can press ▲ / ▼ or rotate the channel knob to change the scanning direction.

Mute settings (SP-MUTE) --- MENU 31

In standby, press MENU + 3 SAVE 1 STEP , the screen displays 

Press MENU to access the menu, and after pressing ▲ / ▼ to choose the required mute mode, press MENU to confirm, and press EXIT to return to standby.

Squelch settings: set the conditions which determine when the speaker shall be turned on, these settings are used during selective calls, group calls and all calls.

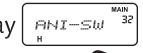
The receiver's mute mode include:

QT: When the receiver is set to this mode, all signals on the same QT frequency will activate the speaker.

QT+DTMF: only those signals which both satisfy the requirements of QT and whose DTMF carrier wave signal also match the receiver will activate the speaker in this mode.

QT*DTMF: When this mode is active, only those signals which either meet QT requirements or DTMF requirements will activate the speaker.

Caller ID Code Switch (ANI-SW) --- MENU 32

In frequency mode, press MENU + 3 SAVE 2 SQL , The screen display 

Press MENU to enter, press ▲ / ▼ to select turn ON/OFF, and press MENU to confirm, press EXIT it return to standby.

Editing Caller ID Code (ANI-EDIT) --- MENU 33

The receiver's Caller ID code is composed of the arabic numerals 0-9: the first digit cannot be 0, and ID numbers can be as short as 3 digits and as long as 6.

In standby, press MENU + 3 SAVE 3 SAVE , the screen displays

Press MENU to access the menu, and after inputting the required numbers, press MENU to confirm, and EXIT key to return to standby.

Example 1:editing a 6-digit ANI ID code(123456).

In standby, press MENU + 3 DEF 3 DEF , the screen displays

After pressing MENU key, the first digit will flash, then input the required value 123456.

Press MENU to confirm, and press EXIT to return to standby.

Example 2:editing a 3-digit Caller ID code(123)

In standby, press MENU + 3 DEF 3 DEF , the screen displays

After pressing MENU , if a Caller ID code has been already input, it will be displayed, and the first digit will flash. If no Caller ID code has been input, 101 will be displayed, and the first digit will flash. Input 123 at the same time, press MENU to confirm, press EXIT to return to standby.

DTMF Sidetone (DTMF-ST) --- MEUN 34

In frequency mode, press MENU + 3 DEF 4 GHI , The screen display

Press MENU to enter, press ▲ / ▼ to select the required sidetone mode, and press MENU to confirm, press EXIT it return to standby.

Keypad Autolock (AUTOLOCK) --- MENU 35

In standby, press MENU + 3 DEF 5 JKL , the screen displays

Press MENU to access the menu, press ▲ / ▼ to select ON(Activate)/OFF(Deactivate), and then press MENU to confirm, press EXIT to return to standby.

After activating keypad autolock function, the keypad will be locked automatically without any operation in 15seconds. Hold on #LOCK for 2seconds to unlock the keypad.

NOTE ⚠

» Manually lock:In standby, hold on #LOCK for 2seconds to lock the keypad, hold on #LOCK for 2 seconds again to unlock the keypad.

Priority Channel Switch (PRI CH-SW) --- MENU 36

In standby, press MENU + 3 DEF 6 MNO , the screen display

Press MENU to access, press ▲ / ▼ to select ON/OFF. And then press MENU to confirm, and press EXIT to return to standby

Repeater Speaker (RPT-SPK) --- MENU 38

In standby, press MENU + 3 SAVE 8 WN , the screen display RPT-SPK

Press MENU to access, press ▲ / ▼ to select ON/OFF. And then press MENU to confirm, and press EXIT to return to standby.

Repeater PTT (RPT-PTT) --- MENU 39

In standby, press MENU + 3 SAVE 9 VOICE , the screen display RPT-PTT

Press MENU to access, press ▲ / ▼ to select ON/OFF. And then press MENU to confirm, and press EXIT to return to standby.

Scan Add (SCAN-ADD) --- MENU 40

This function means whether a channel in scanning when in the startup channel scanning, so the function can be set only in the channel mode under the current channel, is invalid in frequency mode.

In standby, press MENU + 4 TDR 0 , the screen display SCAN-ADD

Press MENU to access, press ▲ / ▼ to select ON/OFF. And then press MENU to confirm, and press EXIT to return to standby.

Note:The function is invalid in cross-band repeater or repeater mode.

Caller ID Code Transmitting Delay (PTT- DLY) --- MENU 42

Is standby, press MENU + 4 TDR 2 SQL , the screen display PTT-DLY

Press MENU to access, press ▲ / ▼ to select the time you want. And then press MENU to confirm, and press EXIT to return to standby.

This delay time can be set 100~3000ms, total 30 levels with 100ms each.

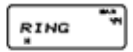
Caller ID Transmission Mode (PTT-ID) --- MENU 43

In standby, press MENU + 4 TDR 3 SAVE , the screen display PTT-ID

Press MENU to access, press ▲ / ▼ to select the mode you want. And then press MENU to confirm, and press EXIT to return to standby.

This can be set three methods, BOT (begin), EOT (end), BOTH (begin /end).

Ring Time --- MENU 44

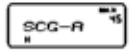
In standby, press MENU + 4 TDR 4 TDR , the screen display 

Press MENU to access, press ▲ / ▼ to select the parameter you want. And then press MENU to confirm, and press EXIT to return to standby.

This ring time can be set 10 seconds, total 10 levels with 1 second. OFF:Deactivate the function.

Scan group A setting (SCG-A) --- MENU 45

Scan group settings are: ALL channel, as well as 1-10 individual scanning groups.

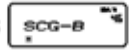
In standby, press MENU + 4 TDR 5 GHI , the screen displays 

Press ▲ / ▼ to press MENU to confirm, press EXIT to return.

Note:Scanning group A setting is active in A area.

Scan Group B Setting (SCG-A) --- MENU 46

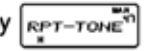
Scan group settings are: ALL channel, as well as 1-10 individual scanning groups.

In standby, press MENU + 4 TDR 6 TDR , the screen displays 

Press ▲ / ▼ to press MENU to confirm, press EXIT to return.

Note:Scanning group B setting is active in B area.

Repeater Tone Setting (RPT-TONE) --- MENU 47

In standby, press MENU + 4 TDR 7 PQRS , the screen display 

Press MENU to access, press ▲ / ▼ to select the parameter,. And then press MENU to confirm, and press EXIT to return to standby.

ON: Activate the function

OFF: Deactivate the function

Saving Scanned CTCSS/DCS (SC-QT) --- MENU 48

When the receiver is in CTCSS/DCS scanning, there are 3 saving types to save the detected CTCSS/

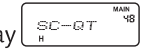
How to Operate

DCS from the others to your receiver:

1.Save as your receiver decoder and encoder(ALL).

2.Save as your receiver encoder(ENCODER)

3.Save as your receiver decoder(DECODER)

When the receiver is in standby, press MENU + 4 TXP 8 WIN keys and the screen will display 

Press ▲ / ▼ press MENU , and then press EXIT .

Selective Call Code Group Setting (CALLCODE) --- MENU 5

In standby, press MENU + 5 ROGER 0 , the screen displays

Press MENU to access the menu, press ▲ / ▼ to select the desired selective call group number. Press MENU to confirm, and the receiver returns to standby.

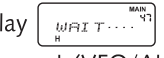
Reset setting (Reset) --- MENU 51

Functional Parameter Reset(VFO): resets all functional settings to factory default values, but channel parameters are not reset.

Total Parameter Reset(ALL): resets all of the receiver's functional settings and channel parameters to factory values.

In standby, press MENU + 5 ROGER 1 STEP , the screen displays

Press MENU to access, press ▲ / ▼ to select the parameter you desire and then press MENU to confirm.

The screen will display 

After the receiver resets(VFO/ALL), it will restart and return to standby mode.

Detailed Instruction for Some Important Functions

All calls, Group calls and Selective calls

There are Caller ID code receiving , Caller ID code edit and DTMF decoding functions.Without the assistance of the other communication equipments, the all calls,group calls and selective calls are available between the groups.

Before using all calls,group calls and selective calls function, you need to set as followings:

1. Caller ID CODE edit

Each transceiver in the same group should be edited a unique ANI ID code.

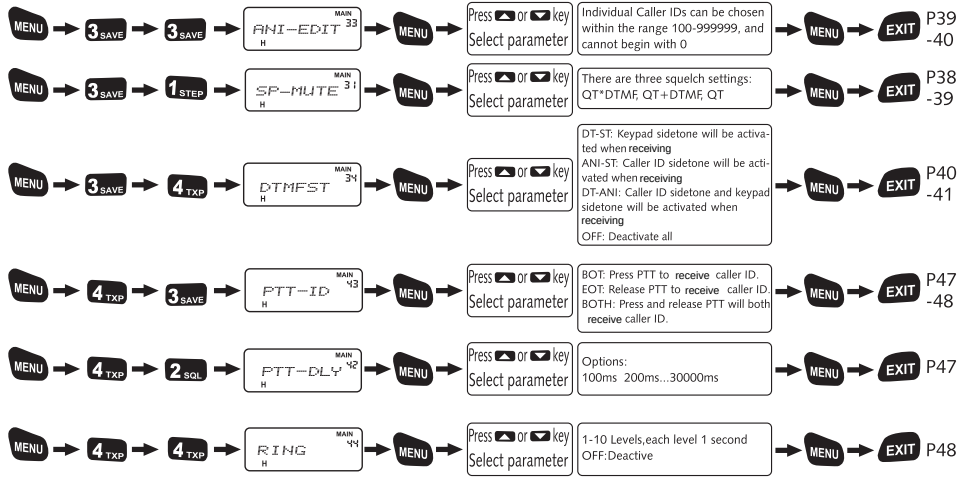
Caller ID CODE: ID -- XXX(3 digits) ID -- XXXX(4 digits) ID--XXXXX(5 digits) ID-- XXXXXX(6digits)

ID	X	XXXXX
Caller ID CODE mark	Group NO. mark	Unique Caller ID CODE
	From 1 to 9 group, Maximum: 9 groups	From 00000~99999, Maximum:1000000 digits

This is how to set Caller ID CODE.

NOTE: Caller ID Codes should be different for the receivers in the same group.

Steps are as followings:



NOTE

» Any receiver in the same group should be with the same frequency point and parameter.

Detailed Instruction for Some Important Functions

a. How to use all calls function:

Hold on PTT key to receive .After receiving Caller ID Code, input ✱SCAN + #LOCK keys directly.

b. How to use group calls function:

Hold on PTT key to receive .After receiving Caller ID Code, input "Group NO." ✱SCAN + #LOCK

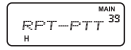
c. How to use selective calls function:

Hold on PTT key to receive . After receiving Caller ID Code, input the Caller ID Code of the selective receiver that you want to speak to.

For example, Caller ID Code for the selected receiver is 123456, selective call code for the selective receiver should be 123456 too.

Repeater Usage

1.Repeater PTT Switch (RPT-PTT)

When the receiver is in standby, press MENU + 3 SAVE 9 VOICE keys and the screen displays 

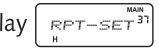
Press MENU to access the settings, and after pressing the ▲ / ▼ keys to activate (ON) the PTT receiving, Press MENU to confirm, and press the EXIT key to return to standby.

2.Repeater speaker switch (RPT-SPK)

When the receiver is in standby, press MENU + 3 SAVE 8 W/N keys and the screen will display

Press MENU to access the settings, and after pressing ▲ / ▼ to activate (ON) the speaker, press MENU to confirm, and press EXIT key to return to standby.

3.Repeater Setting (RPT-SET)

Accessing cross-band repeater mode: when the receiver is in standby, press MENU + 3 SAVE 7 VOX and the screen will display 

Press MENU to access, press ▲ / ▼ to select two-way cross-band repeater mode (X-TWRPT) or directional cross-band repeater mode (X-DIRPT). Press MENU to confirm. And then press EXIT to return to standby mode, hold on RPT key for 2seconds, the receiver is to access cross-band repeater.

Exit Cross-Band Repeater: In standby, hold RPT for 2seconds, the receiver exit the cross-band repeater mode and access receiver communication mode.

Troubleshooting

Before assuming your transceiver is broken, please check your receiver according to the following table; if the problem problem persists, you can reset the receiver , which sometimes.

Fault	Solution
Reception prompt remains but speaker is silent	» Check that the volume knob has been set to maximum. » Please reset CTCSS/DCS to check whether different channels from other group members have been set. » Check whether mute settings are correct.
Keypad is unresponsive	» Check whether keypad has been locked. » Check whether other keys have been pressed.
Other voices (not from group members) appear in the channel.	» Please change the CTCSS / DCS code.
In standby, automatic receiving without pressing PTT key	» Please check if VOX function is active or VOX level is too low.
Can not enter scanning mode	» Please see if the scan group channel, Scan Add function is turned on.
Cannot set up the cross-band repeater	» Please make sure A/B area is on the cross-band repeaters operating frequency.
Cannot receive in repeat mode	» Please check to see if the receivers squelch and CTCSS / DCS settings are correct.

Announcement

wouxun endeavors to achieve the accuracy and completeness of this manual, but it is still not perfect for any possible omissions or printing errors. All the above is subject to be updated without prior notice.

English Version: KG-UV8D-0311-V1

Quanzhou Wouxun Electronics Co., Ltd.